

Serial No.: 10/005,968

Attorney Docket No.: 01P4224US01**REMARKS**

Upon entry of the instant Amendment, Claims 1-5, 7-8, and 10-15 are pending. Applicants gratefully acknowledge that claims 1 and 2 were indicated to be allowable. Claims 6 and 9 have been canceled. Claims 3, 5, 8, 11, and 14 have been amended, and claim 15 has been added, to more particularly point out Applicants' invention. Claims 7 and 10 have been amended so as not to depend from canceled base claims.

Claims 3, 5, 6, and 8-14 have been rejected under 35 U.S.C. 102(b) as being anticipated by Peterson et al., U.S. Patent No 5,296,821 ("Peterson"). Claims 4 and 7 have been rejected under 35 U.S.C. 103 as being unpatentable over Peterson in view of Medl, et al., U.S. Patent No. 6,711,389 ("Medl").

Claims 3, 5, 8, 11, and 14 have been amended to include limitations similar to those of allowed claims 1 and 2. In particular, claim 3 has been amended to recite

- initializing low power threshold, nominal transmit power, coupler, and transmit DAC values;
- specifying a set power level;
- setting a transmit DAC with a nominal transmit DAC value corresponding to said set power level;
- reading an output of a power coupler and determining a power coupler value after said transmit DAC is set with said nominal transmit DAC value;
- comparing said power coupler value to a nominal power coupler value;
- adjusting said transmit DAC such that said power coupler value substantially matches said nominal power coupler value if said set power level is greater than said low power threshold;
- extrapolating past transmit DAC values to set said transmit DAC if said set power level is less than said low power threshold;

claim 5 has been amended to recite

- a transmitter having a variable gain amplifier; and
- means for adjusting a gain level of said variable gain amplifier, said adjusting means configured to receive a coupler value corresponding to a power

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level at an output of said variable gain amplifier if said power level is greater than a predetermined low power threshold and, if the coupler value is not equal to a set value, adjusting said gain level until the coupler value substantially equals the set value, and

means operably coupled to the gain level adjusting means for extrapolating a low power gain level if said power level is less than said predetermined low power threshold;

claim 8 has been amended to recite

a transmitter including a power amplifier configured to receive an initial set power level; and

a power controller configured to adjust an output of said power amplifier based on a low power extrapolation of a power measurement if said set power level is below a predetermined low power threshold and adjust said output based on said power measurement until an output coupler value corresponds to a nominal value if said set power level is above said predetermined low power threshold.

Claim 11 has been amended to recite

a transmitter including a power amplifier;

a level detector configured to compare a set power level with a low power threshold;

a power controller configured to adjust an output of said power amplifier based on a low power extrapolation of a coupler output if said set power level is below said low power threshold and adjust an output of said power amplifier until said coupler output corresponds to a nominal value if said set power level is above said predetermined threshold;

and claim 14 has been amended to recite

a transmitter including a power amplifier controlled via a transmit DAC;

a level detector adapted to compare a power level with respect to a low power threshold;

a power controller adapted to adjust a value of said transmit DAC based on a low power extrapolation of a coupler output if said power level is below said low power threshold; and

wherein said power controller is adapted to adjust a value of said transmit DAC based on said output of said power coupler if said set power level is above said low power threshold until a coupler value is substantially equal to said power level

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For reasons similar to those discussed and given in response to previous Official Actions, for allowing claims 1 and 2, Applicants respectfully submit that these claims, too, are allowable.

Newly added claim 15 is substantially similar to allowed claim 1, but in means plus function form. Claim 15 is believed allowable for similar reasons.

For all of the above reasons, Applicants respectfully submit that the application is in condition for allowance, which allowance is earnestly solicited.

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Respectfully submitted,



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